

ACUITAS® is the future of video server technology. Acuitas eliminates the traditional, serial-based, proprietary boxes within the broadcast chain by using all off-the-shelf, IT-based components to provide reliable and affordable High Definition playout, graphics, conversion, effects, and switching.

The beauty of Acuitas is that it is powered by Florical's award-winning AirBoss product to provide the most feature-rich, flexible, and reliable playout system on the market today. Acuitas completes Florical's product line by providing a complete IT infrastructure creating a true Service-Oriented Architecture (SOA) within the television facility.

The future landscape for Broadcasters has been ever-changing. As new requirements arise the ability to integrate new equipment into the traditional environment becomes more difficult. Florical can help you bridge the gap from yesterday's legacy technology to tomorrow's ever-changing infrastructure. Integrating a software solution will help adapt to the future. With Acuitas the future is here.

This system can be utilized for a simple commercial insertion operation or run multi-channels. Acuitas is flexible and scalable to fit your operation needs.



- Station-in-a-Box
- Non-proprietary computer hardware
- HD/SD
- Up/Down/Cross Conversion (live input and file based)
- Internal switching
- Automated EAS
- Complete file-based workflow
- Integrated channel branding
- Join in Progress/Breaking news functionality



Acuitas®

PRODUCT SPECIFICATIONS

Play-to-Air Chassis

- Up to two AirBoss playlist applications per chassis (see AirBoss datasheet for features of AirBoss)
- Two SD/HD playback channels
- Each SD/HD playback channel has two SD/HD inputs from external router/switcher
- Cut, Cut-Fade, Fade-Cut, Fade-Fade transitions
- Integrated graphics -Two layers background, four layers foreground
- Audio-over w/internal playout of audio file
- Text crawls, school closings, EAS/Amber alert
- Up/Down/Cross Conversion (live input and file based)
- 2D DVE w/graphics behind and in DVE
- MPEG-2 MXF, AVI file playback to 50 Mbps (Long-GOP) or 100Mbps (I-Frame), 4:2:2 or 4:2:0,MPEG-2 Program Stream and Transport Stream
- HDV file playback

Ingest Chassis

- A single instance of MediaFiler and MediaTimer can be installed per chassis (See MediaFiler and MediaTimer datasheets for features of these products)
- Three SD/HD encode channels
- Two SD/HD decode channels
- Shuttle/Jog capabilities
- MPEG-2 MXF, AVI file playback to 50 Mbps (Long-GOP) or 100Mbps (I-Frame), 4:2:2 or 4:2:0,MPEG-2 Program Stream and Transport Stream
- Supports Florical Systems ShowTimer product (See ShowTimer datasheet for features of this product)

All Chassis

- Remotely accessible GUI via web browser
- TCP/IP based control
- Adaptive cable equalization on inputs
- HD-SDI, SMPTE 292M, 75Ω BNC
- SD 480i at 29.97 Hz or 25Hz, 1080i at 29.97 or 25 Hz; 720P at 59.94 or 50 Hz
- Analog blackburst reference input
- 16-in/32-out unbalanced AES/EBU audio channels
- Embedded audio support
- Up to 8 audio channels per SDI port (Stereo 5.1, 7.1)
- 48 KHz 24 bit audio
- Automatic bypass during power loss
- Redundant Gigabit Ethernet ports for file transfer and control
- Dual redundant 750W 100-250V power supplies, high efficiency design (92%)
- Redundant cooling fans
- Off the shelf HP DL380 G7 2RU chassis
- Matrox X.mio2 video hardware
- Windows Server 2008 R2 operating system
- RAID-1 SATA drive system for operating system and software
- RAID-5 SAS drive system for media storage
- All hard drives are hot swappable, removable from the front of machine
- 125 Hours @25 Mbps standard, can be expanded to 300 hours @ 25 Mbps internal storage

